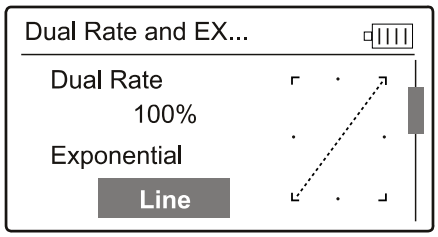
(4) Exponential



Press UP or DN to move the navigation mark to select Exponential. It's possible to change Dual Rate and Exponential value in Pos when pressing R or L to change the value. There are ±100% and Line three adjustment. At the same time, the corresponding curve will be changed and shown at the right graph.

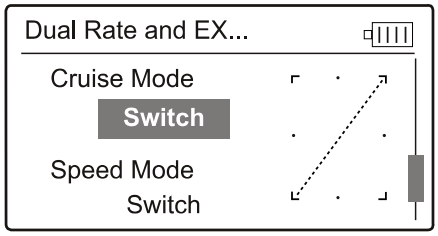
(5) Automatic setting

Under working with Flight Mode, it's possible to switch the Dual Rate and Exponential, which are set in above"(3) Dual Rate adjustment" and "(4) Exponential adjustment", respectively.

The setttings for Cruise Mode, Speed Mode, Thermal Mode, Launch Mode and Land Mode 5 are available.

Note: If want to use this function, it is necessary to previously set both "Flight Speed Switch" and "Flight Launch Switch" at Device Select in Model Menu as the corresponding switches. Refer to "2.9 Device Select".

(5.1) Cruise Mode setting:

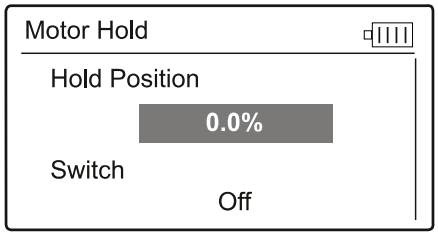


Press UP or DN in the navigation mark of Dual Rate and Exponential to select the desired item Cruise Mode. Press R or L to set the position and the Switch. Only the D/R switch control is valid When Switch is selected, under the Flight Mode, it's possible for Pos to switch the Dual Rate and Exponential, which are set in above(3) and (4)Exponential adjustment. The settings for Swtich, Pos0, Pos1, Pos2 , Pos3, Pos4 are valid.

(5.2) The setting for Speed Mode, Thermal Mode, Launch Mode, Land Mode can be set up according to above Cruise Mode Setting. Press EXT to exit after finishing the setting.

3.5 Motor Hold

The Motor Hold can be switched after the function is used. The setting range of Motor Hold is from -10% to 100%. The item Motor should be previously set at Device Output in Model Menu, which is used as Spoiler Stick and is activated. Refer to "2.10 Device Output".



Setting method:

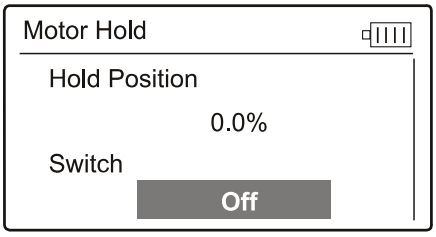
Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Motor Hold and Press ENT to enter Motor Hold interface.

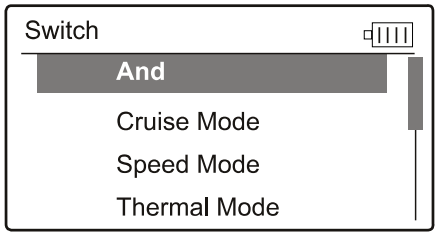
(1) Hold Position

In the Motor Hold interface, press UP or DN to move the Navigation mark to choose "Hold Position" setting options. Press R or L to increase or decrease the amount respectively. The adjustable range is from -10.0% to 100.0% and the default setting is 0.0%.

(2) Switch Selection

Press UP or DN to choose the navigation mark of Switch setting item and press ENT to enter the select interface of Switch. Press UP or DN to select the switch you want and a "√ " will be shown in its left. If two or more switches are chosen, the item "And" should be selected. Press EXT to exit after setting up finished.

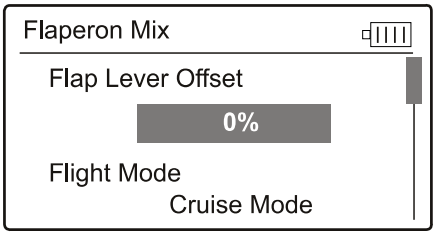




3.6 Flaperon Mix

This function is used to Mix Aileron to Flaperon, or Mix Elevator to Flaperon. The Mix amount can be independently set in each flight mode.

The Flap Rate in each flight mode should be previously set before using this function. Refer to the following "3.16 Flap Rate".



Setting method:

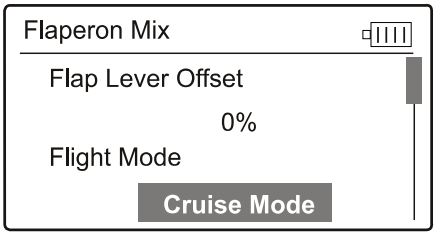
Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Flaperon Mix and Press ENT to enter Flaperon Mix interface. Picture as right:

(1) Flap Lever Offset setting

This function can be used to set the neutral points of Flaperon servos.

Press UP or DN to move the Navigation mark to choose “Flap Lever Offset” setting options. Press R or L to increase or decrease the amount respectively. The adjustable range is ±100%. It is possible to change the offset direction by changing the plus or minus sign before the amount.

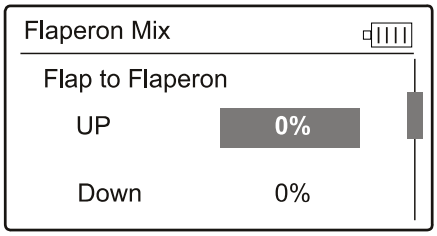
(2) Flight Mode setting



The flight mode should be previously activated in "Device Select" before using this function (Refer to "2.9 Device Select").

Press UP or DN to move the Navigation mark to select “Flight Mode” setting options, press R or L to select the desired item.

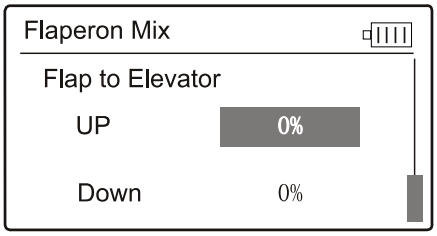
(3) Flap to Flaperon setting



Press DN to display Flap to Flaperon setting interface, and press UP or DN to move the Navigation mark to choose “UP or Down” setting options. Press R or L to change the Flaperon Mix value when moving the Flaperon stick. The bigger the Value is, the bigger Mix will be . The adjustable Mix is ranged from -125% to +125%. It is possible to change the Flaperon Mix direction by changing the plus or minus sign before the value.

(4) Flap to Elevator setting

Press DN to display Flap to Elevator setting interface, and press UP or DN to move the Navigation mark to choose “UP or Down” setting options. Press R or L to change the Elevator Mix value when moving the Flaperon stick. The bigger the Value is, the bigger Mix will be. The adjustable Mix is ranged from -125% to +125%. It is possible to change the Elevator Mix direction by changing the plus or minus sign before the value.

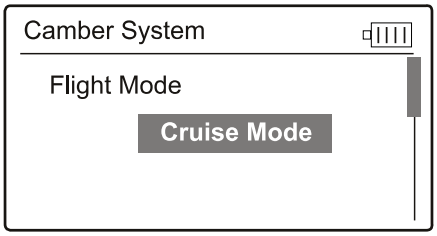


Press EXT to exit after finishing the setting.

3.7 Camber System

This function can change the Aileron angel, which goes through the central line of the main wings' transect, and then change the features of main wings.

Setting method:



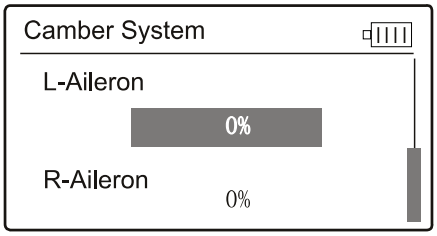
Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Camber System and Press ENT to enter Camber System interface. Picture as right:

(1) Flap Lever Offset setting

The flight mode should be previously activated in "Device Select" before using this function (Refer to "2.9 Device Select").

Press UP or DN to move the Navigation mark to select “Flight Mode” setting options, press R or L to select the desired item.

(2) L-Aileron/ R-Aileron setting

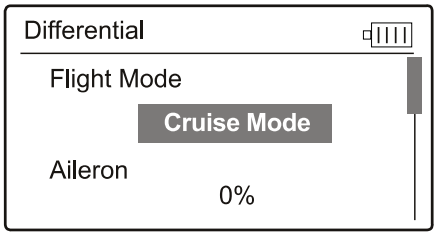


Press UP or DN to move the Navigation mark to choose “L-Aileron or R-Aileron” setting options. Press R or L to change the position of L-Aileron or R-Aileron with a range of ±100%. It is possible to alter the direction of L-Aileron or R-Aileron via changing the letter of "R" or "L" before the amount.

Press EXT to exit after finishing the setting.

3.8 Differential

The flight mode should be previously activated in "Device Select" before using this function (Refer to "2.9 Device Select").

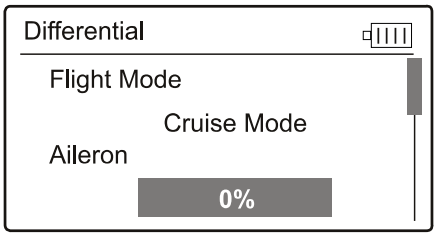


Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Differential and Press ENT to enter Differential interface. Picture as left:

(1) Flight Mode setting

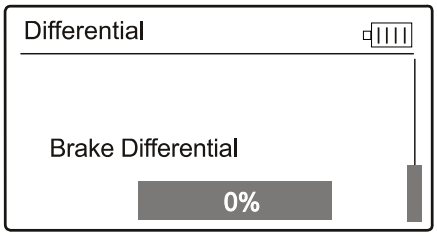
Press UP or DN to make the Navigation mark to select “Flight Mode” setting options, press R or L to select the desired item.

(2) Aileron differential setting



It is possible to decrease the vibration to the head from reverse direction in operating aileron.

Press UP or DN to move the Navigation mark to select “Aileron” setting options, press R or L to increase or decrease, respectively, the value with a range of ±100%.



(3) Brake differential setting

If co-working with the spoiler stick, the brake differential function can counteract the differential.

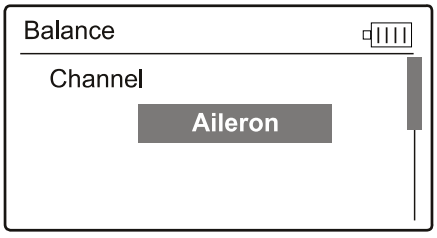
Press UP or DN to move the Navigation mark to select “Brake” setting options, press R or L to increase or decrease, respectively, the value with a range from 0% to 100%.

Press EXT to exit after finishing the setting.

3.9 Balance

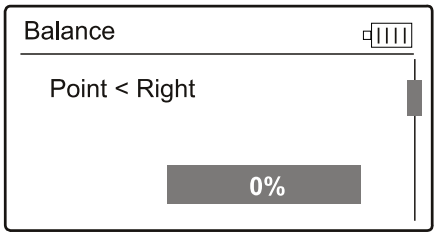
This function can adjust the two-servo parameters, which are simultaneously used in dual output channels, but "Dual Channels" should be previously activated at Wing Type in Model Menu (Refer to " 2.11 Wing Type").

Setting method:



Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Balance and Press ENT to enter Balance interface. Picture as right:

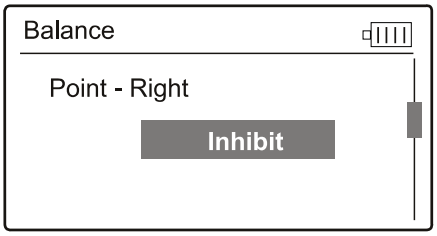
(1) Channel: current setting channel is Aileron. System default can not be set.

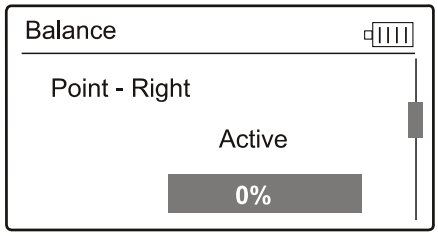


(2) Point parameter adjustment

Point< Right Setting: Press UP or DN to choose "Point< Right". If need to adjust the value, press L (0% means no adjusting). A minus value means the amending direction is downward; press R to adjust value(0% means no adjusting). A plus value means the amending direction is upward. The adjustable range is ±100%.

Point-Right Setting: Press UP or DN to choose "Point-Right". Press R or L to Inhibit or Active. If need to adjust please Active it. There will be expanded value adjustment item. Press UP or DN to choose "0%" If need to adjust the value, press L (0% means no adjusting). A minus value means the amending direction is downward; press R to adjust value (0% means no adjusting). A plus value means the amending direction is upward. The adjustable range is 100%.



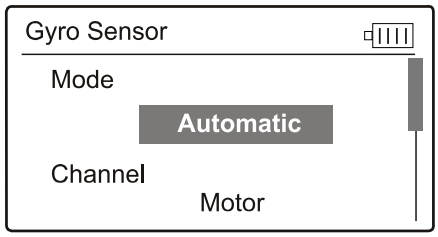


Press UP or DN, there will be setting for Point-1, Point-2, Point-3, Point-Left, Point>Left, refer to the setting method as above. Press EXT after finished it.

3.10 Gyro Sensor

This function offers the gain adjustment for gyro sensor. It is possible to be automatically switched among various gains via flight mode, which should be previously set at Device Select in Model Menu (Refer to "2.9 Device Select"), and the gyro output should also be simultaneously set at Device Output (Refer to "2.10 Device Output").

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Gyro Sensor and Press ENT to enter Gyro Sensor interface. Picture as right:



(1) Mode: System default mode is Automatic.

(2) Channel: The displaying is the sensitivity channel of Gyro. Refer to "2.10 Device Output" to select.

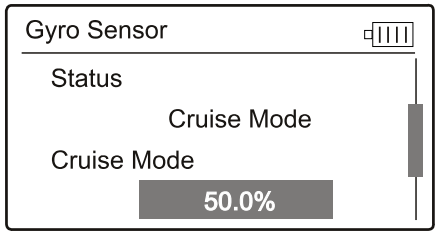
(3) Switch: System default can not be set.

(4) Status:

Turn the Flight Mode Switch, the status display present flight mode position.There are "Cruise Mode","Speed Mode","Thermal Mode", "Launch Mode", "Land Mode" sets.

5) Cruise Mode:

Press UP or DN to select Cruise Mode, press R or L can increase or decrease the value individually. If the gyro used has two modes of NOR and AVCS, NOR will be activated when the value is less than 50.0%. In NOR mode, the smaller the value is, the bigger the gyro sensor sensitivity will be; In AVCS Mode, the bigger the value is, the bigger the gyro sensor sensitivity will be. The factory setting is 50.0%.



(6) "Speed Mode", "Thermal Mode", "Launch Mode", "Land Mode" 4 settings refer to "Cruise Mode".

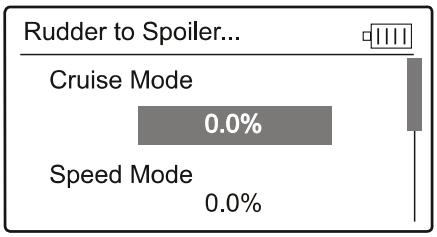
After finishing the set, press EXT to exit.

3.11 Rudder to Spoiler Mix

When this function is activated, the spoiler can be used as Rudder in the models without Rudder and can also be mixed. The mix gain can be independently set in each flight mode, which should be previously set at Device Select in Model Menu (Refer to "2.9 Device Select"), and "Dual Spoilers" should also be activated at Wing Type (Refer to "2.11 Wing Type").

Setting method:

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Rudder to Spoiler Mix and Press ENT to enter Rudder to Spoiler Mix interface. Picture as right:



There are five flight modes: Cruise Mode, Speed Mode, Thermal Mode, Launch Mode, Land Mode. Press UP or DN to move the navigation mark to select the desired flight mode. Press R or L to increase or decrease amount respectively. The adjustable range is from 0.0% to 100.0% and the default setting is 0.0%.

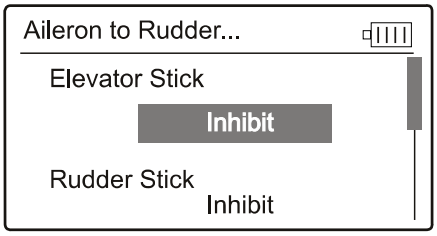
After finishing the set, press EXT to exit.

3.12 Aileron to Rudder Mix

This function aims at mixing the rudder when operating the aileron. The mix value can be respectively set in each flight mode. But the flight mode should be previously set at Device Select in Model Menu (Refer to "2.9 Device Select").

Setting method:

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Aileron to Rudder Mix and Press ENT to enter Aileron to Rudder Mix interface. Picture as right:



(1) Elevator Stick setting

This function is that: if the elevator stick position is set at one point, this point will become the cut-off point whether to mix. when the elevator stick is moved down from this point, the mix will be cancelled; While the elevator stick is moved up from this point, the mix will be activated.

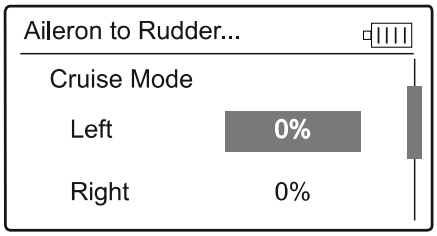
Press UP or DN to move the Navigation mark to select “Elevator Stick” setting options, press R or L to increase or decrease, respectively, the value with a range of D1%-100%. When the elevator stick is moved down from the set value, the mix will be cancelled; while the elevator stick up from this value, the mix will be activated. The default setting is Inhibit.

(2) Rudder Stick setting

The setting is same as above. The adjustable rang is from L/R1% to L/R100%, and the factory setting is Inhibit.

(3) Mix value setting for each flight mode

There are total five flight modes. The flight mode should be previously set at Device Select in Mode Menu (Refer to "2.9 Device Select").

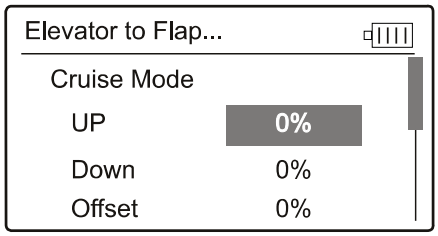


Press UP or DN to move the Navigation mark to select the desired flight mode of "Left" setting options. Press R or L to change Rudder mix value when moving the aileron stick leftward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%.

Press UP or DN to move the Navigation mark to select the desired flight mode of "Right" setting options. Press R or L to change Rudder mix valuer when moving the aileron stick rightward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%. After finishing the set, press EXT to exit.

3.13 Elevator to Flap Mix

This function aims at mixing flap when operating elevator stick. It can be respectively set in each flight mode, which should be previously set at Device Select in Mode Menu (Refer to "2.9 Device Select").



Setting method:

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Elevator to Flap Mix and Press ENT to enter Elevator to Flap Mix interface. Picture as right:

(1) Cruise Mode

(1.1) UP setting

Press UP or DN to move the Navigation mark to select "UP" setting options in the Cruise Mode. Press R or L to change Flap mix value when moving the Elevator stick upward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%.

(1.2) Down setting

Press UP or DN to move the Navigation mark to select "Down" setting options in the Cruise Mode. Press R or L to change Flap mix value when moving the Elevator stick downward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%.

(1.2) Offset setting

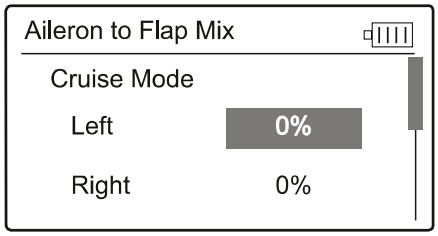
Press UP or DN to move the Navigation mark to select "Offset" setting options in the Cruise Mode. Press R or L to amend the central point of flap servo. The bigger the value is, the bigger the offset will be. It is possible to change the offset direction via changing the plus or minus sign before the value. The adjustable offset range is ±100%.

(2) "Speed Mode", "Thermal Mode", "Launch Mode", "Land Mode" 4 settings refer to “(1) Cruise Mode”.

After finishing the set, press EXT to exit.

3.14 Aileron to Flap Mix

This function aims at mixing flap when operating aileron stick. it can be respectively set in each flight mode. But the flight mode should be previously set at Device Select in Mode Menu (Refer to "2.9 Device Select"), and the flap dual channels should also be previously activated at Wing Type in Mode Menu (Refer to "2.11 Wing Type").



Setting method:

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Aileron to Flap Mix and Press ENT to enter Aileron to Flap Mix interface. Picture as right:

(1) Cruise Mode

(1.1) Left setting

Press UP or DN to move the Navigation mark to select "Left" setting options in the Cruise Mode. Press R or L to change Flap mix value when moving the Aileron stick leftward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%.

(1.2) Right setting

Press UP or DN to move the Navigation mark to select "Right" setting options in the Cruise Mode. Press R or L to change Flap mix value when moving the Aileron stick rightward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%.

(2) "Speed Mode", "Thermal Mode", "Launch Mode", "Land Mode" 4 settings refer to “(1) Cruise Mode”.

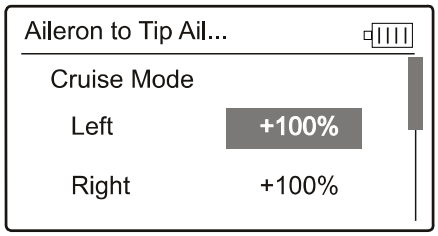
After finishing the set, press EXT to exit.

3.15 Aileron to Tip-Aileron Mix

This function aims at mixing Tip-Aileron when operating Flap. it can be respectively set in each flight mode. But the flight mode should be previously set at Device Select in Mode Menu (Refer to "2.9 Device Select"), and the Tip-Aileron should also be activated at Wing Type in Mode Menu (Refer to "2.11 Wing Type").

Setting method:

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Aileron to Tip Aileron Mix and Press ENT to enter Aileron to Tip Aileron Mix interface. Picture as right:



(1) Cruise Mode

(1.1) Left setting

Press UP or DN to move the Navigation mark to select "Left" setting options in the Cruise Mode. Press R or L to change the Tip Aileron mix value when moving the Aileron stick leftward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%. The default setting is 100%.

(1.2) Right setting

Press UP or DN to move the Navigation mark to select "Riht" setting options in the Cruise Mode. Press R or L to change the Tip Aileron mix value when moving the Aileron stick rightward. It is possible to change the mix direction via changing the plus or minus sign before the value. The adjustable mix is ±125%. The default setting is 100%.

(2) "Speed Mode", "Thermal Mode", "Launch Mode", "Land Mode" 4 settings refer to “(1) Cruise Mode”.

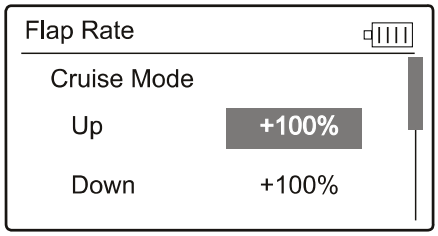
After finishing the set, press EXT to exit.

3.16 Flap Rate

This function can set the Flap Rate in all the flight modes. 0% is set the neutral center of Flap angle. It is possible to set the Flap Rate of either upward or downward direction. There are total five flight modes, each one of which should be previously set at Device Select in Mode Menu (Refer to "2.9 Device Select").

Setting method:

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Flap Rate and Press ENT to enter Flap Rate interface. Picture as right:



(1) Cruise Mode

(1.1) Up setting

Press UP or DN to move the Navigation mark to select "Up" setting options in the Cruise Mode. Press R or L to change the Flap Rate when Flap moving upward. It is possible to change the direction by changing the plus or minus sign before the value. The adjustable mix is ±125%. The default setting is 100%.

(1.2) Up setting

Press UP or DN to move the Navigation mark to select "Down" setting options in the Cruise Mode. Press R or L to change the Flap Rate when Flap moving downward. It is possible to change the direction by changing the plus or minus sign before the value. The adjustable mix is ±125%. The default setting is 100%.

(2) "Speed Mode", "Thermal Mode", "Launch Mode", "Land Mode" 4 settings refer to “(1) Cruise Mode”.

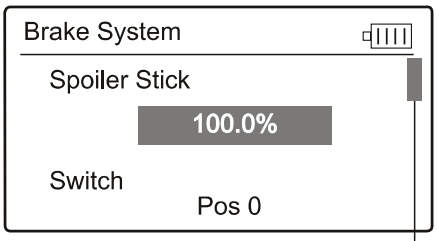
After finishing the set, press EXT to exit.

3.17 Brake System

Through the spoiler stick operation, all the actions caused by mobile wings in main wings will be turned into the mix which aims at brake. It can be switched between Pos 0 and Pos 1 via setting the item switch.

Setting method:

Press ENT to enter Main Menu; Press UP or DN to move the navigation mark to Function Menu, and press ENT to enter Function Menu. Press UP or DN to choose Brake System and Press ENT to enter Brake System interface. Picture as right:



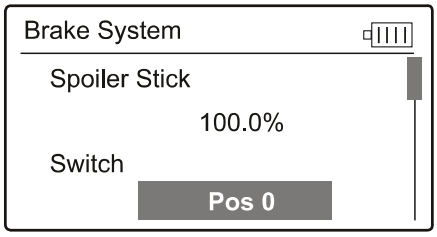
(1) Spoiler stick setting

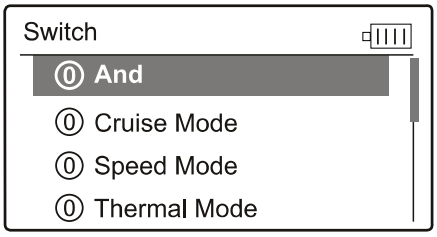
When the spoiler stick is set at one certain point, this point will become the cut-off point whether to brake. The mixing will be working when the spoiler stick is being moved to this point from down to up.

Press UP or DN to move the Navigation mark to select "Spoiler Stick" setting options. The spoiler stick position will be set through pressing R or L to change the value. The adjustable range is from 0.0% to 100.0% and the default value is 100.0%.

(2) Switch Selection

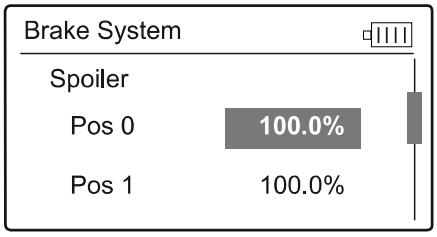
Press UP or DN to move the Navigation mark to select “Switch”. Press ENT to enter Switch interface, press UP or DN to choose desired switch item. Press ENT to confirm, the desired switch item whose left side will be changed into “1” from “0”. If two or more items are selected, the item And should be selected, whose left side should be changed into “1” from “0”. Press EXT after finished it.





(3) Brake to Spoiler setting

Press UP or DN to move the Navigation mark to select "Pos 0" in the Brake to Spoiler setting interface. The brake mix at Pos0 will be altered through pressing R or L to change the value. The adjustable value is 0.0-100.0%, and the default setting is 100.0%



Press UP or DN to move the Navigation mark to select "Pos 1" in the Brake to Spoiler setting interface. The brake mix at Pos1 will be altered through pressing R or L to change the value. The adjustable value is 0.0-100.0%, and the default setting is 100.0%

(4) Brake to Flaperon setting

The setting is same as above. It is possible to change the mix direction through changing the plus or minus sign before the value. The adjustable value is ±125%, and the default setting is 0%.

(5) Brake to Elevator: The setting is same as above.

(6) Brake to Flap: The setting is same as above.

(7) Brake to Tip Aileron: The setting is same as above.

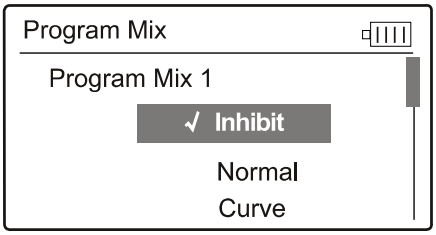
After finishing the set, press EXT to exit.

3.18 Program mix

There are 8 series of program mix, mix channels and values are adjustable.

Setting Method:

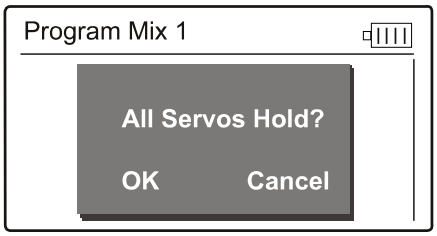
Press ENT enter to Main Menu. Press UP or DN select function, press ENT to enter function menu, then press UP or DN select “Program Mix”. And press ENT to program Mix setting and current status (default setting is “Inhibit”) interface. Press R or L to choose Inhibit, Normal or Curve.

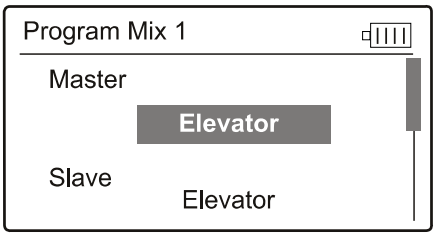


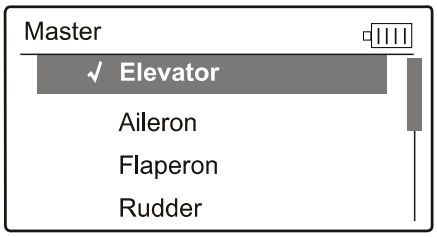
Take “program mix 1” for example, there are “Normal” and “Curve” setting.

(1) The “Normal” setting of “program mix”

Press UP or DN select the “Normal” setting, Press ENT button then pop up “All Servos Hold?” Press R or L to choose OK or Cancel. If “OK” selected, all the servos will be locked in the current status, if “Cancel” selected, all servos are unlocked. Press ENT enter to Program mix setting interface.





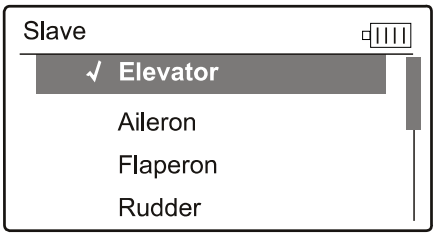


(1.1) Master channel setting

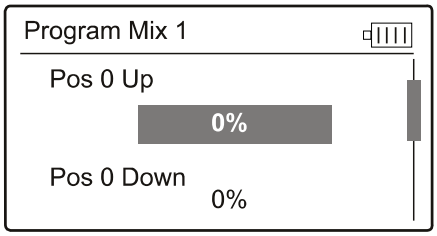
Press UP or DN to move the navigatioal mark to select Master option and press ENT to Master interface. Press UP or DN to select the desired channel and press ENT to make a “√”. Press EXT to be back to Program Mix 1 interface.

(2) Slave channel setting

Press UP or DN to move the navigatioal mark to select Slave option and press ENT to Slave interface. Press UP or DN to select the desired channel and press ENT to make a “√”. Press EXT to be back to Program Mix1 interface.



(1.3) Gain setting: Take Elevator at Master as an example.



(1.3.1) Pos 0 UP:

Mix amount setting when elevator stick moved upward.

Press UP or DN to move the navigational mark to select "Pos 0 Up" item. Press R or L to increase or decrease, separately, the mix amount. It is possible to change the mix direction through changing the plus or minus sign before amount. The adjustable range is ±125%.

(1.3.2) Pos 0 Down:

Mix amount setting when elevator stick moved downward.

Press UP or DN to move the navigational mark to select "Pos 0 Down" item. Press R or L to increase or decrease, separately, the mix amount. It is possible to change the mix direction through changing the plus or minus sign before amount. The adjustable range is ±125%.

(1.3.3) Pos 1 Up, Pos 1 Down setting method refer to (1.3.1) Pos 0 Up setting.

(1.3.4) Offset Setting

This function can make Slave begin to mix through the corresponding Lever switch from a certain point as the starting point.